

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,064,842 B1
APPLICATION NO. : 09/480506
DATED : June 20, 2006
INVENTOR(S) : Eiji Yamamoto

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title page of the patent, in item (75) Inventors, delete "June Hane, Hachioji (JP); Iwao Komazaki, Urawa (JP)"

Column 36, lines 22 to 30, delete the entire paragraphs:

"(Corresponding Embodiment of Invention and its Operation and Effect)

The embodiments and the operations and effects of the inventions of claims 4 and 5 described latter correspond to the first embodiment and the operation and effect of this embodiment.

(Corresponding Embodiment of Invention)

The invention of claim 6 described latter corresponds to the first embodiment of this invention."

Column 37, line 21, delete "(Corresponding Embodiment of Invention"; line 22, delete "(Operation and Effect)"; line 34, delete "(Corresponding Embodiment of Invention".

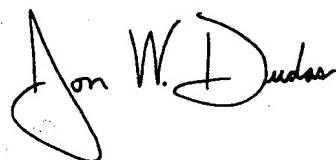
Column 38, line 10, delete "(Operation and Effect)".

Column 39, lines 11 and 12, "it should be noted that light source" should read --it should be noted that return light noise is generated by the light that returns to the light source--; lines 15 and 16, "between the scale and light interference pattern" should read --between the scale and light source is changed, a change in the pitch of the diffraction interference pattern--; between lines 50 and 51, insert the entire paragraph:

-- The second light beam that has been split by the beam-splitting optical element is irradiated on the second scale pattern, which may have a uniform reflectance, transmissivity or diffraction efficiency.--

Signed and Sealed this

Twenty-second Day of May, 2007



JON W. DUDAS
Director of the United States Patent and Trademark Office